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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,670	08/28/2003	Mitsuo Saitoh	2003_1228A	5686
	7590 06/25/200 , LIND & PONACK, I	EXAMINER		
2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			OLSEN, ALLAN W	
			ART UNIT	PAPER NUMBER
			1792	
		MAIL DATE	DELIVERY MODE	
			06/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/649,670	SAITOH ET AL.		
Office Action Summary	Examiner	Art Unit		
	Allan Olsen	1792		
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence address		
A SHORTENED STATUTORY PERIOD FOR F WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicati - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNION PROPERTION OF THIS COMMUNION. SER 1.136(a). In no event, however, may a sound on. period will apply and will expire SIX (6) MON statute, cause the application to become AB	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).		
Status				
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) Since this application is in condition for all closed in accordance with the practice un 	This action is non-final. Ilowance except for formal matt	•		
Disposition of Claims				
4)	thdrawn from consideration.			
Application Papers				
9)☑ The specification is objected to by the Exact 10)☑ The drawing(s) filed on 28 August 2003 is Applicant may not request that any objection to Replacement drawing sheet(s) including the country. The oath or declaration is objected to by the specific sp	/are: a)⊠ accepted or b)⊡ ob to the drawing(s) be held in abeyar correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s)	Δ) □ Intonia	Summary (PTO 412)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-943) Information Disclosure Statement(s) (PTO-1449 or PTO/5 Paper No(s)/Mail Date 	Paper No(Summary (PTO-413) s)/Mail Date. nformal Patent Application (PTO-152) 		

DETAILED ACTION

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Claims 18 and 27 each recite "a thin film volume resistivity of not smaller than 10^{-8} ($\Omega \cdot \text{cm}$)". However, the specification (page 19, line 6) provides support for "a thin film volume resistivity of not smaller than 10^{8} ($\Omega \cdot \text{cm}$)". While original claim 5 recited "a thin film volume resistivity of not smaller than 10^{-8} ($\Omega \cdot \text{cm}$)", in view of the specification's disclosure (page 19, line 6), it appears that the claim should read "a thin film volume resistivity of not smaller than 10^{8} ($\Omega \cdot \text{cm}$)".

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 21 and 30 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claims contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention.

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In response to a rejection under 35 U.S.C. §112 2nd, applicant has changed the recitation;

"wherein the gas includes a gas of C_xF_y (x and y are natural numbers) or NF_3 , O_2 , CI_2 , or a halogen containing gas of HBr"

to;

"wherein the gas includes a gas selected from the group consisting of C_xF_y (x and y are natural numbers), SF_6 , NF_3 , O_2 , CI_2 , and a halogen containing gas."

However, the specification, as originally filed, does not appear to provide adequate support for the breadth of the generically recited "halogen containing gas".

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 13, 14 and 16-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In response to the last Office action's rejection under 112 2nd, applicants provided a definition of "length" that is somewhat at odds with the specific language in the following recitation in claim 13:

"a length in any direction of the area of the entire surface of the high frequency or grounded electrode, which is arranged in the position opposite to the plasma source via the object to be processed, is smaller than a length in any direction of the area defined by the perimeter of the surface of the plasma source that is superposed on the object to be processed"

Specifically, applicant's response defined "length" by stating:

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"the relevant definition of the term length is "the longer or longest dimension of an object." Merriam-Webster Online Dictionary".

The problem arises from the multiplicity implied by the recited "<u>a length</u> in <u>any direction</u>" as opposed to the singularity of length as defined by applicant (i.e., <u>the</u> longest...).

The examiner believes the following recitation which adopts applicant's definition of length is equivalent to what applicants have intended to claim:

--...the longest linear dimension of the surface of the high frequency or grounded electrode, which is arranged in the position opposite to the plasma source via the object to be processed, is (smaller, shorter, less) than the longest linear dimension within the area defined by the perimeter of the surface of the plasma source that is superposed on the object to be processed...- -.

Response to Arguments

Applicant's arguments, filed March 14, 2008, have been fully considered.

The examiner finds applicant's arguments against the applied prior art to be persuasive. Therefore, the prior art rejections have been withdrawn.

The argument regarding the rejection under 122 2nd, pertaining to the "length" was also persuasive except the definition of length included in the persuasive argument introduced a new concern that was addressed above in the rejection under 112 2nd.

Allowable Subject Matter

Claims 22 and 24-29 are allowed.

Conclusion

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allan Olsen whose telephone number is 571-272-1441. The examiner can normally be reached on M, W and F: 1-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571-272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Allan Olsen/ Primary Examiner, Art Unit 1792